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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/770,912      | 02/03/2004  | Gaurav Aggarwal      | 14101US03           | 1702             |

23446 7590 05/23/2006

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| EXAMINER |
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RAO, ANAND SHASHIKANT

|          |              |
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| ART UNIT | PAPER NUMBER |
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2621

DATE MAILED: 05/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/770,912

Applicant(s)

AGGARWAL ET AL.

Examiner

Andy S. Rao

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## **DETAILED ACTION**

### ***Specification***

1. The disclosure is objected to because of the following informalities:

Specification, page 6, lines 1-20, the elements in figure 1 do not correspond to element numbers in this portion of the specification.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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3. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen et al., (hereinafter referred to as "Chen").

Chen discloses method for rewinding a group of pictures (Chen: figure 3), said method comprising: storing a first reference picture from the group of pictures (Chen: column 8, lines 1-5); decoding a first one or more pictures from the group of pictures (Chen: column 8, lines 5-10), displaying the first one or more pictures in reverse order (Chen: column 6, lines 15-21); storing a second reference picture from the group of pictures (Chen: column 6, lines 30-43); decoding a second one or more pictures from the group of pictures (Chen: column 7, lines 10-20); displaying the second one or more pictures in reverse order (Chen: column 6, lines 45-55); storing a third reference picture from the group of pictures; decoding a third one or more pictures (Chen: column 10-15); and displaying the third one or more pictures in reverse order (Chen: column 6, lines 45-55), as in claim 1

Regarding claim 2, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-42), as in the claim.

Regarding claim 3, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

Chen discloses a system for rewinding a group of pictures (Chen: figure 1), said system comprising: one or more image buffers (Chen: column 3, lines 25-40) for storing a first, second, and third reference pictures from the group of pictures (Chen: column 8, lines 1-10), a decompression engine for decoding a first, second, and third one or more pictures from the group of pictures (Chen: column 3, lines 15-32), and a display engine for displaying the first, second,

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and third one or more pictures from the group of pictures in reverse order (Chen: column 3, lines 43-50), as in claim 4.

Regarding claim 5, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-43), as in the claim

Regarding claim 6, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Nallur discloses trick modes for compressed video streams. Dolbear discloses a method and apparatus for video encoding. Luthra discloses splicing of video data in progressive refreshed video streams. Pearlstein discloses a method and apparatus for improved video display of progressive refreshed coded video.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (571)-272-7337. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571)-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Andy S. Rao  
Primary Examiner  
Art Unit 2621

asr  
May 16, 2006

ANDY RAO  
PRIMARY EXAMINER

